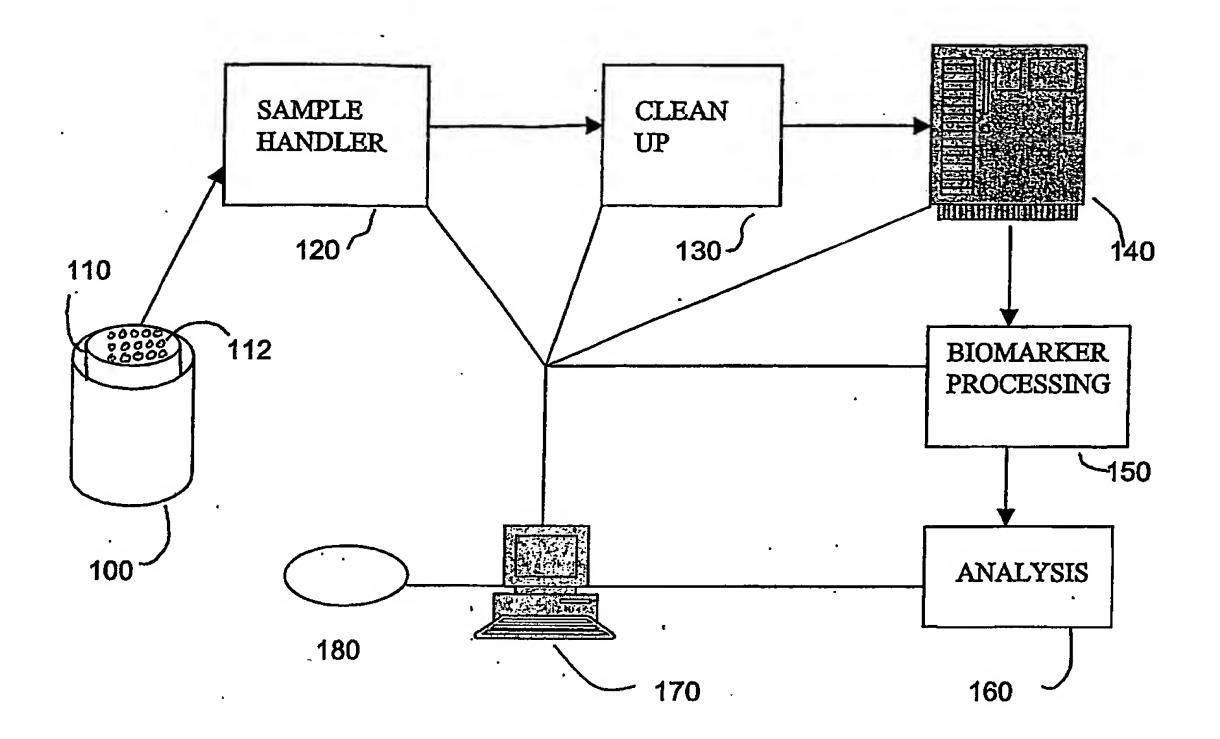
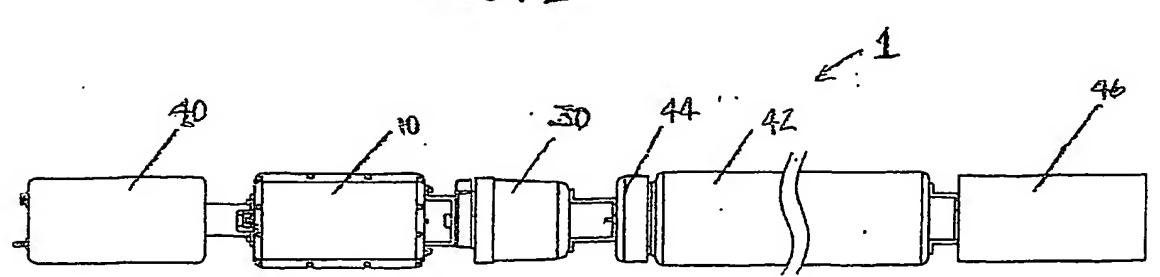
ST AVA

FIGURE 1

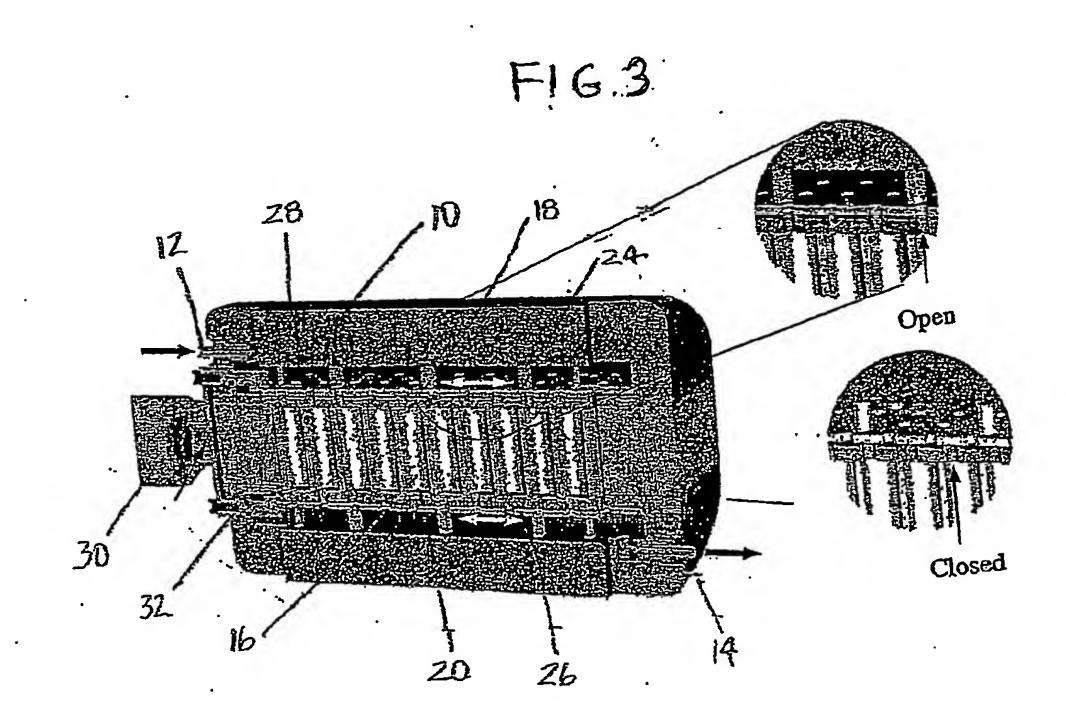


PEST AVAILABLE CO

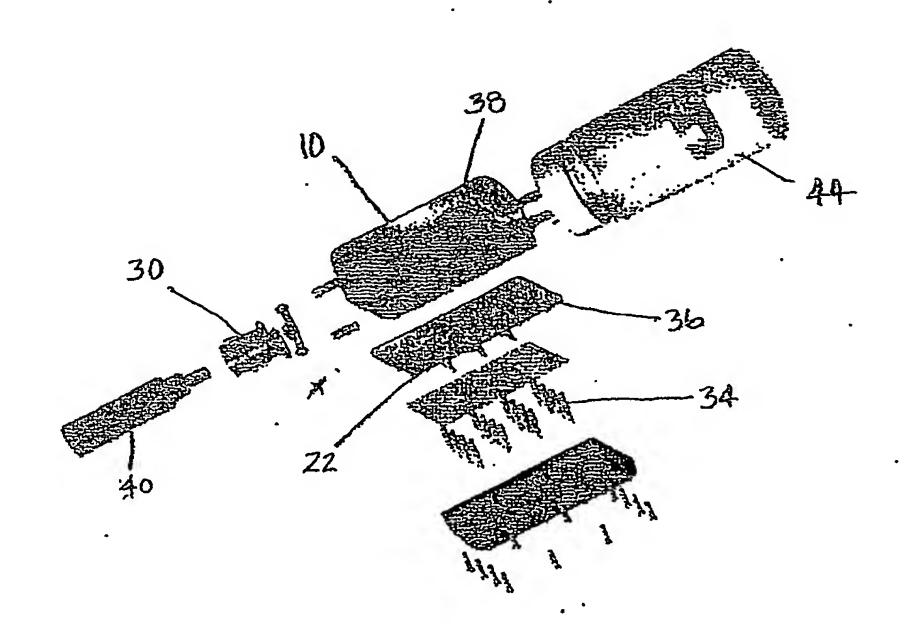
FIG. 2

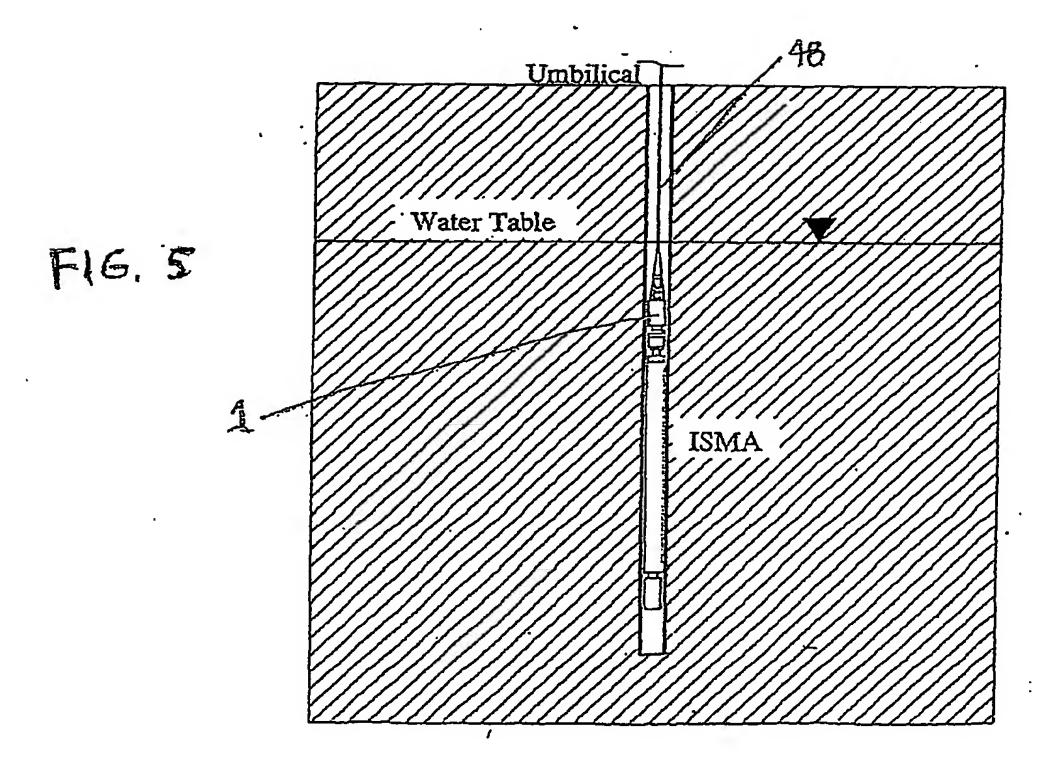


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F16.4





Biological Cells or Environmental Sample

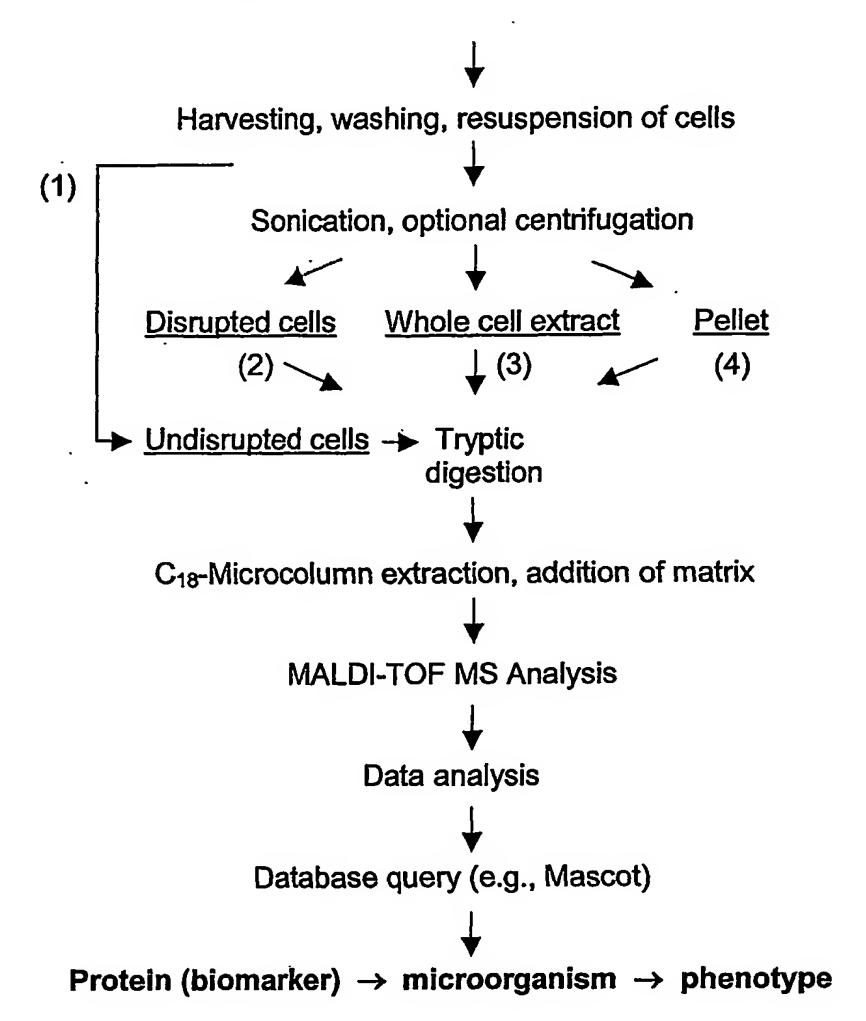


FIGURE 6

Environmental / Clinical Specimen

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Addition of Internal Standard for Quantification



Size Fractionation of Sample to Concentrate Parasites (Centrifugation, Filtration, etc)



Harvesting of Parasites by Centrifugation



Disruption of Parasites



Centrifugation of Cell Debris to Fractionate Soluble Proteins



Enzymatic Digestions of Target Proteins



Drying, Desalting, Addition of Matrix



Spotting of Purified Digests on Target Plate



Sample Preparation

Analysis

Affinity Chromatography & Optical Signal Detection



MALDI-TOF MS
Peptide Fingerprinting



Multidimensional MS Peptide Sequencing

FIGURE 7